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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PATENT APPLICATION OF: Mihailov et al OUR FILE NO: 102-11 US CIP
SERIAL NUMBER: 10/803,890 GROUP: Unassigned
FILED: March 19, 2004 EXAMINER: Unassigned
TITLE: BRAGG GRATING AND METHOD OF PRODUCING A BRAGG GRATING
USING AN ULTRAFAST LASER

Information Disclosure Statement

May 10, 2004

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an Information Disclosure Statement (Form PTO-1449) in the above-captioned application with references.

Certification

X This Information Disclosure Statement is submitted within three months of:

- (i) the filing date of the above-identified U.S. National Patent application, or
- (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or
- (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

_____ This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified application.

_____ This Information Disclosure Statement is submitted after three months from

- (i) the filing date of the above-identified U.S. National Patent application, or
- (ii) after three months from entry into the U.S. National Stage of the above-identified International Application; or
- (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies; and after the mailing date of the first Office Action on the merits of the above-identified application, but prior to issuance of the earlier of any Final Action or Notice of Allowance sent in such application. The certification under 37 C.F.R. §1.97(e) is submitted separately or below, or the fee required under 37 C.F.R. §1.97(c) and § 1.17(p) is submitted herewith.

_____ This Information Disclosure Statement is submitted after the earlier of the mailing date of a final rejection or Notice of Allowance sent in this application but before payment of the Issue Fee. The certification required under 37 C.F.R. § 1.97(e) is submitted separately or below. A petition to the Commissioner and the appropriate fee pursuant to §1.17(i) (1) are submitted herewith.

_____ A certification under 37 C.F.R. §1.97 is submitted herewith separately from this paper.

_____ It is hereby certified that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

_____ No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this statement.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No: 50-2810.

Yours very truly,



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Please associate this application with Customer No: **24949**

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Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER: 102-11 US CIP	SERIAL NUMBER: 10/803,890
	APPLICANT: Mihailov et al	
	FILING DATE: March 19, 2004	GROUP: Unassigned

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCL ASS	FILED APP
	6,104,852	Aug 15, 2000	Kashyap	385		
	6,516,118	Feb 4, 2003	Brilland et al	385		
	6,578,388	June 17, 2003	Kewitsch et al	65		
	6,236,782	May 22, 2001	Kewitsch et al	385		
	6,465,153	Oct 15, 2002	Kewitsch et al	430		
	6,633,419	Oct 14, 2003	Hosono et al	359		
	4,807,950	Feb 28, 1989	Glenn et al	350		
	5,367,588	Nov 22, 1994	Hill et al	385		
	5,627,933	May 6, 1997	Ito et al	385		
	5,790,726	Aug 4, 1998	Ito et al	385		
	6,005,999	Dec 21, 1999	Singh et al	385		
	6,009,222	Dec 28, 1999	Dong et al	385		
	6,221,555	Apr 24, 2001	Murakami et al	430		
	6,351,588	Feb 26, 2002	Bhatia et al	385		
	6,204,926	Mar 20, 2001	Maznev et al	356		
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	5,287,427	Feb 15, 1994	Atkins et al	385		
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	5,978,538	Nov 2, 1999	Miura et al	385		
	6,385,369	May 7, 2002	Hill et al	385		
	6,628,877	Sept 30, 2003	Dugan et al	385		

Foreign Patent Documents

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

		K.M. Davis et al, "Writing waveguides in glass with a femtosecond laser", Opt. Lett., Nov 1, 1996, Vol. 21, No. 21, pp.1729-1731.
		Mihailov et al, "Fabrication of fiber bragg gratings (FBG) in all-SiO ₂ and Ge-doped core fibers with 800 nm picosecond radiation" Optical Society of America, 2003.
		Dyer et al, "Analysis of grating formation with excimer laser irradiated phase masks", Optics Comm. 115 (1995) Vol 115, pp 327-334.
		"Mills et al, "Imaging of free-space interference patterns used to manufacture fiber bragg gratings", Applied Optics, Vol. 39, pp 6128-6135 (Nov 2000).
EXAMINER		DATE CONSIDERED
<p><i>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</i></p>		